

ABSTRACT

An inverter has a semiconductor switch circuit in the primary winding of a transformer such that each of the switches of the switch circuit is controlled by pulse-width modulation (PWM) to supply a constant ac current and a constant ac voltage to a load, such as a cold cathode fluorescent light, connected to a secondary winding of the transformer. A common slow-start control circuit is provided in the inverter circuit to enable a common slow startup of the PWM control of the output voltage and output current. This arrangement suppresses an excessive voltage and an inrushing current during a startup.

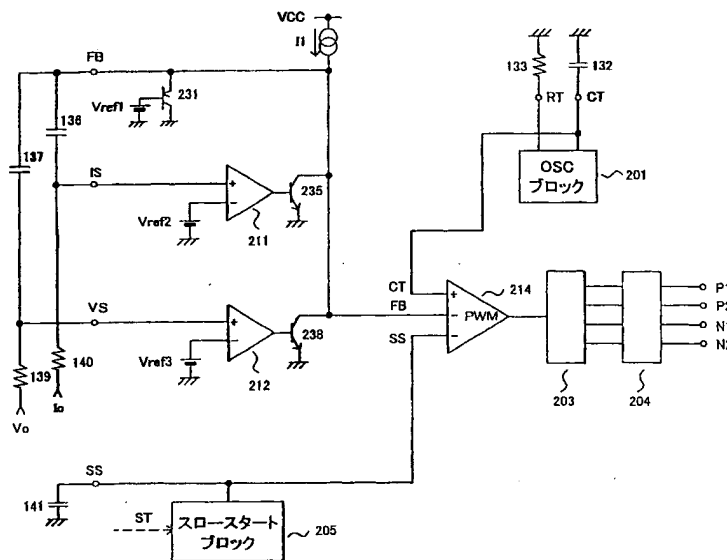


PCT

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52

- [続葉有]

(54) 発明の名称: 直流-交流変換装置、及びそのコントローラ IC



205...SLOW START BLOCK

(57) 要約: 変圧器の一次巻線に半導体スイッチ回路を設け、この半導体スイッチ回路の各スイッチをPWMにより定電流制御及び定電圧制御して二次巻線接続されるCCFLなどの負荷に交流電力を供給する。このインバータ回路における、定電圧制御及び定電流制御用に、共通のス

「結蕉有」

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